

100

Figure 1

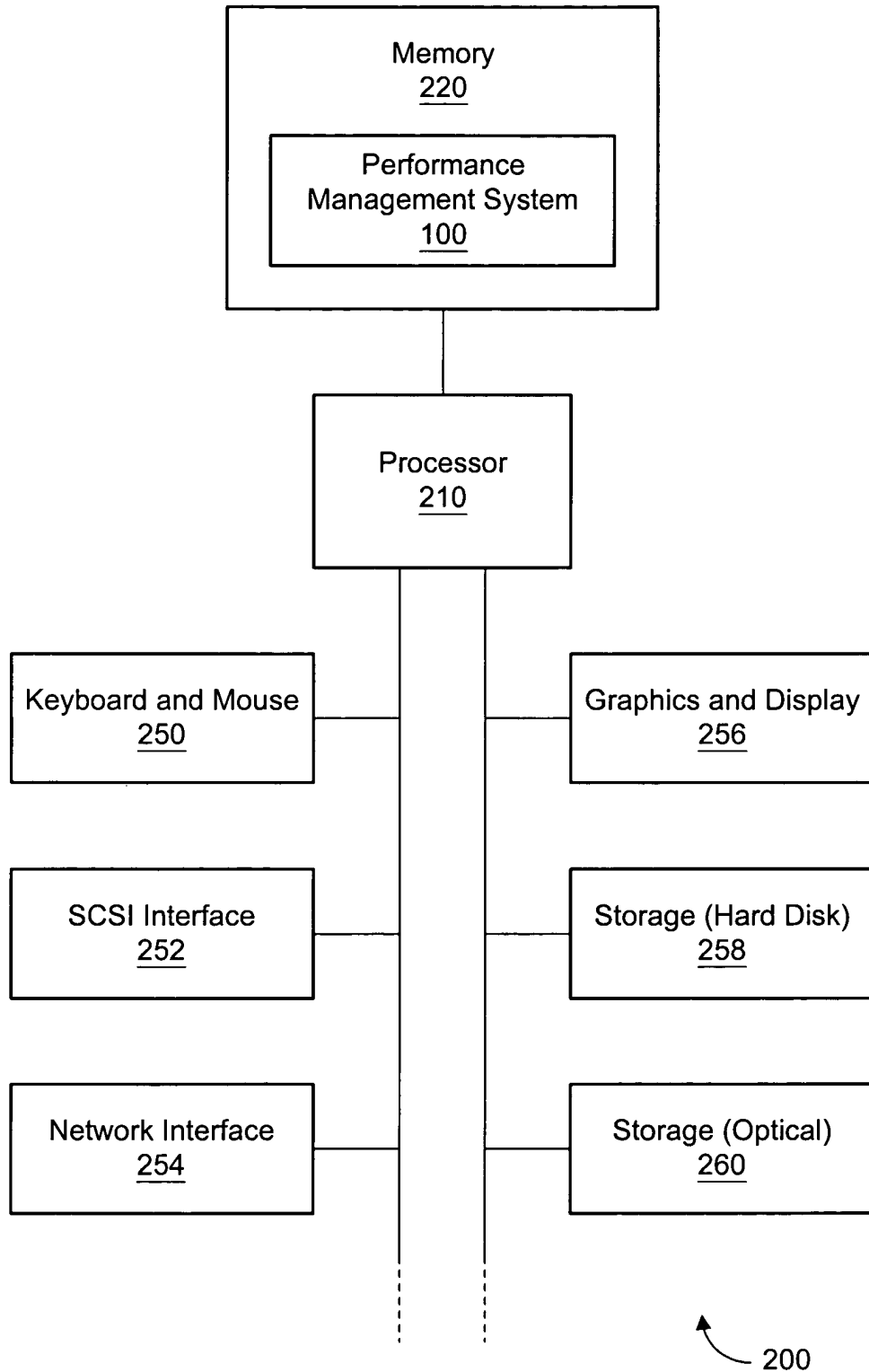


Figure 2

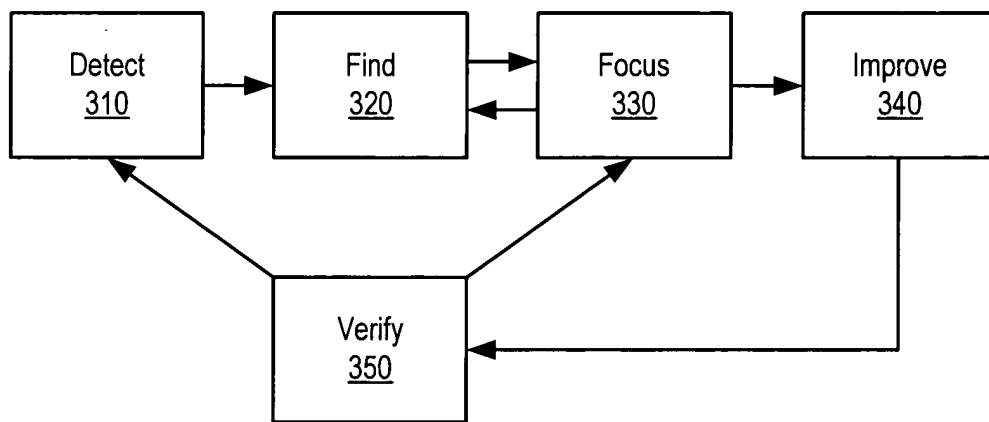


Figure 3

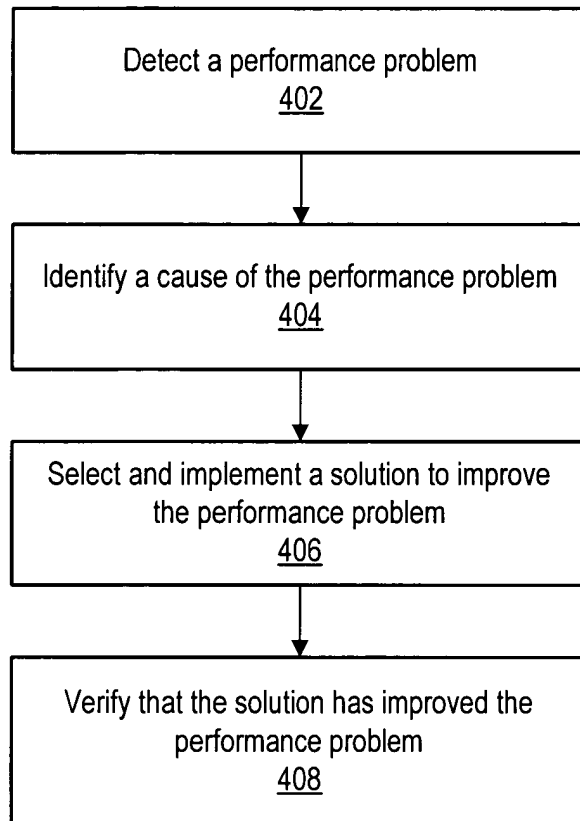


Figure 4

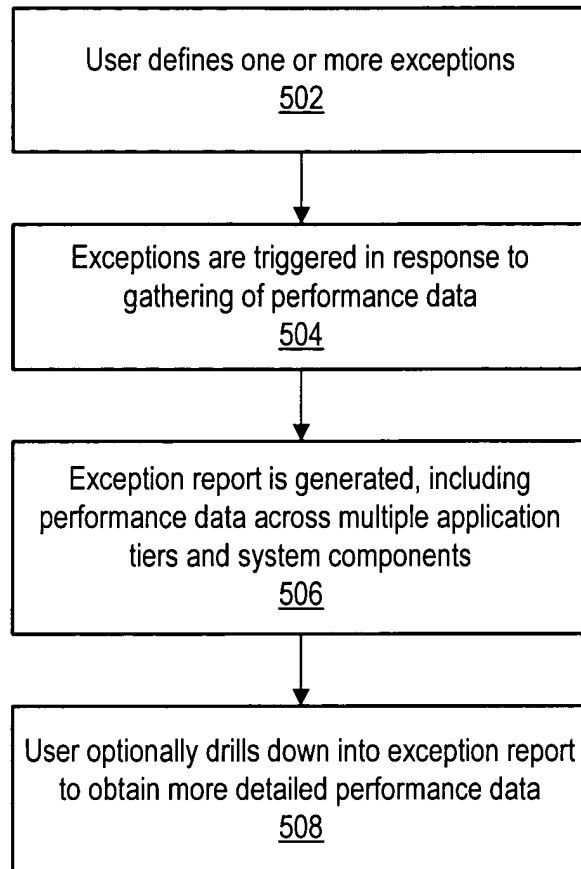
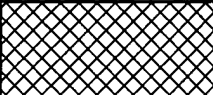
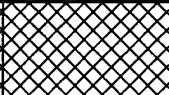



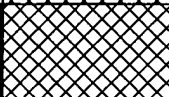
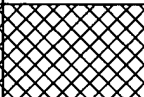
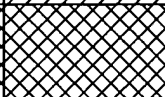
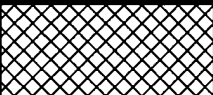

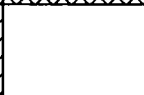




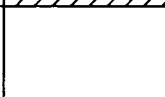
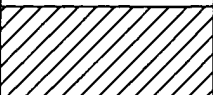

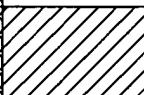
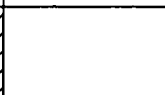
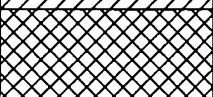


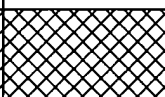
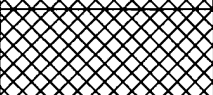





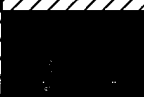



Figure 5

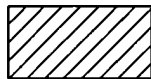
Program	Average Time	Volume	CPU	Lock Wait
Program 1				
Program 2				
Program 3				
Program 4				
Program 5				
Program 6				
Program 7				
Program 8				



Over 30% deviation



Between 20% - 30% deviation



Between 10% - 20% deviation



No deviation or less than 10% deviation

Figure 6

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Program	Total Time	I/O	CPU	Locking
Program 1			10 ₁₂	
Program 2				7 ₁
Program 3		6 ₁₁		4 ₁
Program 4	4 ₁	7 ₁₁	4 ₁	9 ₁
Program 5				
Program 6				
Program 7				
Program 8	7 ₁	5 ₁	9 ₁	5 ₁
Program 9	8 ₁		5 ₁	
Program 10	5 ₁₂	4 ₁₁	6 ₁₀	
Program 11	6 ₁	8 ₁	7 ₁	6 ₁
Program 12	9 ₁		8 ₁	10 ₁
Program 13	10 ₁	9 ₁		8 ₁
Program 14		10 ₁		



Ordered in the top-3 consumers



Ordered in the top-6 consumers but not the top-3



Ordered in the top-10 consumers but not the top-6



Does not belong to top-10 consumers

N

Entity is ordered N in top-10 consumers

n

Entity is ordered N in top-10 at the baseline

—

Entity is new (does not exist in baseline)

Figure 7

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